



(11) Publication number:

**0 402 049
A2**

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 90305944.2

(22) Date of filing: 31.05.90

(51) Int. Cl. 5: C12P 19/18, C12P 19/16,
C12P 19/14, C12P 19/60,
C12P 19/44, C07H 17/07,
A23L 1/30, A61K 7/00,
A61K 31/71

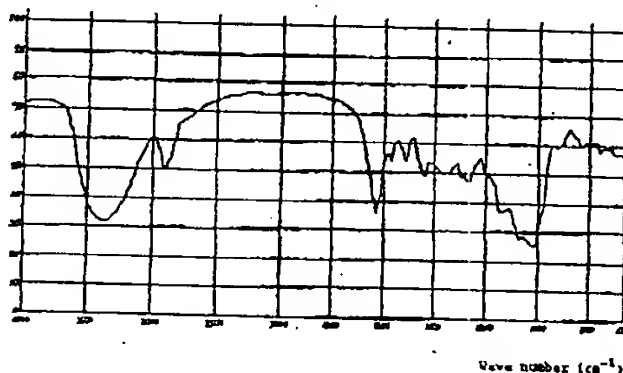
(23) Priority: 03.06.89 JP 141902/89

(24) Date of publication of application:
12.12.90 Bulletin 90/50(26) Designated Contracting States:
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(64) Alpha-Glycosyl hesperidin, and its preparation and uses.

(57) α -Glycosyl hesperidin, a novel hesperidin derivative wherein equimolar or more D-glucose residues are bound to hesperidin via the d-bond, is formed by a saccharide-transferring enzyme in a liquid containing hesperidin and α -glucosyl saccharide. The α -glycosyl hesperidin is easily recovered from the reaction mixture with a synthetic macroporous resin. α -Glycosyl hesperidin is superior in water-solubility, substantially tasteless and odorless, free of toxicity, and readily hydrolyzable *in vivo* into hesperidin and D-glucose to exhibit the physiological activity inherent to hesperidin. Thus, α -glycosyl hesperidin is favorably usable in vitamin P-enriching agents, foods, beverages, tobaccos, foods, pet foods, pharmaceuticals for susceptible diseases, cosmetics and plastics.

FIG. 1

Wave number (cm⁻¹)

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